Ulteriori approfondimenti

Acquacoltura di ricircolo e allevamento del pesce

Lim, C. & Webster, C.D. 2006. *Tilapia: biology, culture, and nutrition*. Bing Hampton, USA, Haworth Press. 678_pp. Timmons, M.B. & Ebeling, J.M. 2010. *Recirculating aquaculture*. Ithaca, USA, Cayuga Aqua Ventures. 975_pp. Szyper, J.P., Tamaru, C.S., Howerton, R.D., Hopkins, K.D., Fast, A.W. & Weidenbach, R.P. 2001. *Maturation, hatchery and nursery techniques for Chinese catfish,* Clarias fuscus, *in Hawaii*. Aquaculture Extension Bulletin. University of Hawaii Sea Grant College Program.

Woynarovich, A., Moth-Poulsen, T. & Péteri, A. 2010. Carp polyculture in Central and Eastern Europe, the Caucasus and Central Asia: A manual. FAO Fisheries and Aquaculture Technical Paper. No. 554. Rome, FAO. 73 pp. (also available at: www.fao.org/docrep/013/i1794e/i1794e00.htm).

Profili delle specie ittiche

FAO. 2014. Species profiles. In: FAO Aquaculture Feed and Fertilizer Resources Information System [online]. Rome. [Cited 2_September 2014]. www.fao.org/fishery/affris/species-profiles/en/

FAO. 2014. Nile tilapia - Oreochromis niloticus. In: FAO Aquaculture Feed and Fertilizer Resources Information System [online]. Rome. [Cited 2_September 2014]. www.fao.org/fishery/affris/species-profiles/nile-tilapia/nile-tilapia-home/en/FAO. 2014. Common carp - Cyprinus carpio. In: FAO Aquaculture Feed and Fertilizer Resources Information System [online]. Rome. [Cited 2_September 2014]. www.fao.org/fishery/affris/species-profiles/common-carp/common-carp-home/en/

Aquaponica

Backyard Aquaponics. 2011. *The IBC of aquaponics* [online]. Edition 1.0. Backyard Aquaponics, Success Western, Australia. Available at: www.backyardaquaponics.com/Travis/IBCofAquaponics1.pdf

Bailey, D.S., Rakocy, J.E., Cole, W.M. & Shultz, K.A. 1997. Economic analysis of a commercial-scale aquaponic system for the production of tilapia and lettuce. *In: Tilapia Aquaculture: Proceedings of the Fourth International Symposium on Tilapia in Aquaculture, Orlando, Florida.*

Bernstein, S. 2011. Aquaponic gardening: a step-by-step guide to raising vegetables and fish together. Gabriola Island, Canada, New Society Publishers. 255_pp.

Danaher, J.J., Pantanella, E., Rakocy, J.E., Shultz, R.C. & Bailey, D.S. 2011. Dewatering and composting aquaculture waste as a growing medium in the nursery production of tomato plants. Acta Hort. (ISHS) 891. pp._223–229.

Diver, S. 2007. Aquaponics-integration of hydroponics with aquaculture. ATTRA – National Sustainable Agriculture Information Service. 46_pp.

Gloger, K.C., Rakocy, J.E., Cotner, J.B., Bailey, D.S., Cole, W.M. & Shultz, K.A. 1995. Waste treatment capacity of raft hydroponics in a closed recirculating fish culture system. World Aquaculture Society, Book of Abstracts. pp._126–127.

Hughey, T.W. 2005. Barrel-ponics (a.k.a. aquaponics in a barrel) [online]. Available at:

ww.aces.edu/dept/fisheries/education/documents/barrel-ponics.pdf

Lennard, W.A. & Leonard, B.V. 2006. A comparison of three different hydroponic subsystems (gravel bed, floating and nutrient film technique) in an aquaponic test system. *Aquaculture International*, 14(6): 539–550.

Pantanella, E. 2012. Integrated marine aquaculture-agriculture: sea farming out of the sea. *Global Aquaculture Advocate*, 15(1): 70–72.

Pantanella, E., Cardarelli, M. & Colla, G. 2012. Yields and nutrient uptake from three aquaponic sub-systems (floating, NFT and substrate) under two different protein diets. *In: Proceedings. AQUA2012. Global Aquaculture securing our future. Prague, Czech Republic 1-5 Sept 2012.*

Pantanella, E., Cardarelli, M., Colla, G., Rea, E. & Marcucci, A. 2011. Aquaponics vs hydroponics: production and quality of lettuce crop. Acta Hort. 927. pp._887–893.

Rakocy, J.E. 2007. Aquaponics, integrating fish and plant culture. *In* T.B. Simmons & J.M. Ebeling, eds. *Recirculating aquaculture*, pp._ 767–826. Ithaca, USA, Cayuga Aqua Ventures.

Rakocy, J.E. 2007. Ten guidelines for aquaponic systems. Aquaponics Journal, 46: 14–17.

Rakocy, J. E., Masser, M.P. & Losordo, T.M. 2006. Recirculating aquaculture tank production systems: aquaponics-integrating fish and plant culture. SRAC publication 454. 1–16.

Rakocy, J.E, Masser, M.P. & Losordo, T.M. 2006. Recirculating aquaculture tank production systems: aquaponics-integrating fish and plant culture. SRAC Publication No. 454 (revision November 2006). USA, Department of Agriculture.

Rakocy, J.E., Shultz, R.C., Bailey, D.S. & Thoman, E.S. 2004. Aquaponic production of tilapia and basil: comparing a batch and staggered cropping system. Acta Horticulturae 648. pp._63–69.

Savidov, N. 2005. Evaluation and development of aquaponics production and product market capabilities in Alberta. Phase II. Final Report - Project #2004-67905621.

Seawright, D.E., Stickney, R.R. & Walker, R.B. 1998. Nutrient dynamics in integrated aquaculture-hydroponic systems. *Aquaculture*, 160: 215–237.

Tyson, R.V., Simonne, E.H., White, J.M. & Lamb, E.M. 2004. Reconciling water quality parameters impacting nitrification in aquaponics: the pH levels. *Proc. Fla. State Hort. Soc.*, 117: 79–83.

Batteri, microbi e ciclo dell'azoto

Carmignani, G.M. & Bennett., J.P. 1977. Rapid start-up of a biological filter in a closed aquaculture system. *Aquaculture*, 11(1): 85–88.

Crab, R., Avnimelech, Y., Defoirdt, T., Bossier, P. & Verstraete, W. 2007. Nitrogen removal techniques in aquaculture for a sustainable production. *Aquaculture*, 270: 1–14.

Hargreaves, J.A. 1998. Nitrogen biogeochemistry of aquaculture ponds. Aquaculture, 166: 181–212.

Lewis, W. & Lowenfels, J. 2010. *Teaming with microbes: a gardener's guide to the soil food web.* Portland, USA, Timber Press. 220 pp.

Sifone a campana: progetto e costruzione

Fox, B.K., Howerton, R. & Tamaru, C.S. 2010._ Construction of automatic bell siphons for backyard aquaponic systems. Cooperative Extension Service, College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa. Lennard, W.A. & Leonard, B.V. 2004. A comparison of reciprocating flow versus constant flow in an integrated, gravel bed, aquaponic test system. Aquaculture International, 12: 539–553.

Alimentazione dei pesci

Bondari, K. & Sheppard, D.C. 1981. Soldier fly larvae as feed in commercial fish production. *Aquaculture*, 24: 103–109.

FAO. 1983. FAO composition of feedstuff (Table 1). In: Fish feeds and feeding in developing countries. ADCP/REP/83/18.

 $Rome.\ (also\ available\ at:\ www.fao.org/docrep/q3567e/q3567e03.htm \#2.2\%\ 20 composition \%\ 20 of \%\ 20 feed stuffs).$

FAO. 2013. Edible insects: future prospects for food and feed security. FAO Forestry Paper 171. Rome. 187_pp. (also available at: www.fao.org/docrep/018/i3253e/i3253e00.htm).

FAO. 2014. FAO feed resources database. In: FAO Aquaculture Feed and Fertilizer Resources Information System [online].

Rome. [Cited 2 September 2014]. www.fao.org/fishery/affris/feed-resources-database/en/

Fasakin, E.A., Balogun, A.M. & Fasuru, B.E. 1999. Use of duckweed, *Spirodela polyrrhiza* L. Schleiden, as a protein feedstuff in practical diets for tilapia, *Oreochromis niloticus* L. *Aquaculture Research*, 30(5): 313–318.

Hasan, M.R. & Chakrabarti, R. 2009. *Use of algae and aquatic macrophytes as feed in small-scale aquaculture: A review.* FAO Fisheries and Aquaculture Technical Paper. No. 531. Rome, FAO. 123_pp. (also available at: www.fao.org/docrep/012/i1141e/i1141e00.htm).

New, M.B. 1987. Feed and feeding of fish and shrimp. ADCP/REP/87/26. Rome, FAO. (also available at: www.fao.org/docrep/s4314e/s4314e00.htm#Contents).

NRC. 1993. Nutrient requirement of fish. Washington, DC, National Academy Press. 126_pp.

Richter, N., Siddhuraju, P. & Becker. K. 2003. Evaluation of nutritional quality of moringa (*Moringa oleifera* Lam.) leaves as an alternative protein source for Nile tilapia (*Oreochromis niloticus* L.). Aquaculture, 217(1): 599–611.

Sheppard, D.C., Tomberlin, J.K., Joyce, J.A., Kiser. B.C. & Sumner, S.M. 2002. Rearing methods for the black soldier fly (Diptera: Stratiomyidae). *J. Med. Entomol.*, 39(4): 695–698.

Sophie St-Hilaire, I.S., Cranfill, K., McGuire, M.A., Mosley, E.E., Tomberlin, J.K., Newton, L., Sealey, W., Sheppard, C. & Irving, S. 2007. Fish offal recycling by the black soldier fly produces a foodstuff high in omega-3 fatty acids. *Journal of the World Aquaculture Society*, 38(2): 309–313.

Wagner, G.M. 1997. Azolla: a review of its biology and utilization. Botanical Review, 63(1): 1-26.

Infuso di Compost

Brewing Compost Tea. Fine Gardening. Brewing Compost Tea by Elaine Ingham. Available at: www.finegardening.com/brewing-compost-tea.

Ingham, E.R. 2000. The compost tea breving manual. Fifth edition. Corvallis, USA, Soil Foodweb Incorporated. 79 pp.

Malattie dei pesci

Bondad-Reantaso, M.G., McGladdery, S.E., East, I. & Subasinghe, R.P., Eds. 2001. *Asia Diagnostic Guide to Aquatic Animal Diseases*. FAO Fisheries Technical Paper. No. 402, Supplement 2. Rome, FAO. 240 pp. (also available at: www.fao.org/docrep/005/y1679e/y1679e00.htm).

Noga, E.J. 1996. Fish disease, diagnosis and treatment. St. Louis, USA, Mosby Year-Book inc. 367_pp.

Serre e ombrari

FAO. 1999. Greenhouses and shelter structures for the tropics. Plant Production and Protection Paper 154. Rome. 138_pp. FAO. 2013. Good agriculture practices for greenhouse vegetable production: Principles for the Mediterranean climate areas. Plant Production and Protection Paper 217. Rome. 621_pp. (also available at: www.fao.org/docrep/018/i3284e/i3284e.pdf)

Carenze Nutritive

Bennett, W.F. 1993. *Nutrient deficiencies and toxicities in crop plants*. St. Paul, USA, American Phytopathological Society. 202 pp.

Berry, W. 2010. *Symptoms of deficiency in essential minerals* [online]. UCLA. Lincoln Plant Physiology online. Fifth edition. Available at: http://5e.plantphys.net/article.php?ch=t&id=289

Malattie delle Piante

Agrios, G.N. 2004. Plant pathology. Fifth edition. Burlington, USA, Elsevier Academic Press. 933_pp.

Copping, L.G. 2004. The manual of biocontrol agents. Third edition. Alton, UK, BCPC publications. 702_pp.

Cornell University. Plant Disease Diagnostic Clinic [online]. Available at: http://plantclinic.cornell.edu/factsheets.html

IFOAM. 2012. The IFOAM norms for organic production and processing. Bonn, Germany. 132_pp.

Pal, K.K. & McSpadden Gardener, B. 2006. *Biological control of plant pathogens*. The Plant Health Instructor DOI: 10.1094/PHI-A-2006-1117-02. pp._1-25.

Soil Association. 2011. *Material for pest and disease control in organic crops*. Fact sheet. Bristol, UK, Soil Association Trade and Producer Support. 18_pp.

Texas A&M Agrilife Extension. Texas plant disease handbook [online]. Available at:

http://plantdiseasehandbook.tamu.edu/food-crops/vegetable-crops/

Gestione degli insetti nocivi

ATTRA National Sustainable Agriculture Information Service. Pest management [online]. Available at: https://attra.ncat.org/pest.html

Colorado State University Extension. Insect publication [online]. Available at:

www.ext.colostate.edu/pubs/pubs.html#insects

Cranshaw, W.S. 2008. *Bacillus thuringiensis* [online]. Factsheet 5.556. Colorado State University Extension. Available at: www.ext.colostate.edu/pubs/insect/05556.html

Ellis, B.W. & Bradley, F.M. 1996. The organic gardener's handbook of natural insect and disease control. Emmaus, USA, Rodale Press Inc. 544_pp.

Kogan, M. 1998. Integrated pest management: historical perspectives and contemporary developments. *Annual Review of Entomology*, 43(1): 243–270.

Olkowski, W., Dietrick, E., Olkowski, H. & Quarles, W. 2003. Commercially available biological control agents. *IPM Practitioner*, 25: 1–9.

Rondon, S.I., Cantliffe, D.J. & Price, J. 2001. Augmentative biological control of insects: possibilities for vegetable greenhouse producers. *FACTS Proceedings* 2001, pp._15–16.

Shour, M.H. 2000. Pesticides from nature [online]. Iowa State University Extension. Available at:

www.extension.iastate.edu/newsrel/2000/aug00/aug0007.html

Washington State University (WSU). 2011. Organic pest control in the vegetable garden [online]. Community Horticulture Fact Sheet #13. King County Extension. Available at: http://ext100.wsu.edu/king/wp-content/uploads/sites/17/2014/02/Organic-Pest-Control-in-the-Vegetable-Garden1.pdf

UW Madison Department of Entomology. Insect ID [online]. Available at:

www.entomology.wisc.edu/insectid/index.php

Colture fuori suolo

Cooper, A. 1979. The ABC of NFT. Nutrient film technique. The world's first method of crop production without a solid rooting medium. Portland, USA, Intl Specialized Book Service Inc. 181_pp.

Raviv, M. & Lieth, J.H. 2008. Soil-less culture: theory and practice. First edition. London, Elsevier Publishing. 608_pp.

Resh, H.M. 2004. Hydroponic food production. A definitive guidebook for the advanced home gardener and the commercial hydroponic grower. Sixth edition. Mahwah, USA, Newconcept Press. 567 pp.

Wicking beds (letti a irrigazione capillare)

Sullivan, C., Hallaran, T., Sogorka, G. & Weinkle, K. 2014. An evaluation of conventional and subirrigated planters for urban agriculture: Supporting evidence. *Renewable Agriculture and Food Systems*, 1–9.

Wicking bed. Wicking bed – a new technology for adapting to climate change [online]. pp._1–14. Available at:

www.waterright.com.au/wicking_bed_technology.pdf

Wicking worm bed. Wicking worm bed. Basic principles [online]. pp._1-10. Available at:

www.waterright.com.au/Wicking%20worm%20beds.pdf